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## Office Memorandum • UNITED STATES GOVERNMENT

TO : The Files - [ ] Task Order K

DATE: 29 September 1959 50X1

FROM [ ] 50X1

SUBJECT: Trip Report - Signal Actuate Device, CU-3

1. On 24 September 1959, the writer accompanied by [ ] 50X1  
 [ ] OC-SPS/EA, visited the [ ] 50X1  
 [ ] The purpose of this visit was to monitor the progress on 50X1  
 this task. The progress was discussed with the following cognizant  
 personnel:

[ ] - Director of Micronics 50X1

[ ] - Project Engineer 50X1

2. The subject task provides for the fabrication of 15 CU-3  
 signal actuate devices. Initial development of the CU-3 was accomplished  
 under [ ], Task Order C. The CU-3 is a miniature device which can be 50X1  
 used with the time event marker, or independently. Upon signal presence  
 at the input of this device a bi-stable multivibrator actuates a relay  
 to turn on a recorder and transfer the signal to the recorder input. At  
 the end of a preset recording period of  $1\frac{1}{4}$ ,  $2\frac{1}{2}$ , or 5 minutes, the signal  
 actuate device will interrogate the time event marker and transfer the  
 time event marker output to the recorder input. Each of these equipments  
 perform automatically what is now a manual operation with agent type  
 collection systems. It is intended that these units be used in automatic  
 collection systems such as the CS-11.

3. The present status of this project is:

- a. All of the engineering necessary to improve the unit  
 resulting from our evaluation of two engineering models  
 has been completed.
- b. All parts procurement with the exception of printed  
 circuit boards has been completed.
- c. The printed circuits boards are scheduled for delivery  
 by the end of this month.
- d. Projected delivery schedule has been set up, one unit  
 by 8 October 1959 and three units per month thereafter.

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4. The contractor requested that the procedure for the temperature environmental testing be decided on at this meeting since the Government furnished electronic assembly does not meet the low and high temperature specifications required of their portion of the CU-3. Since it is planned that the Government furnished electronic assembly will eventually be replaced with the unit that does meet the overall temperature specifications, the contractor was instructed to conduct these tests only on their portion of the unit. In addition to this item, the nomenclature of the front panel controls was decided. The contractor requested an assignment of serial numbers for these 15 units. The contractor was informed that the serial numbers would be provided as soon as possible.

50X1

cc: ~~R+D~~ Subject File  
R+D Lab  
SPS/EA  
Monthly (2)  
EP Chrono

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